Attorney Docket No.: 915-005.205 Application No.: 10/568,310

IN THE CLAIMS

Please amend the claims as follows:

1. (Canceled)

2. (Currently amended) The device according to the claim 1, being an An electrically controlled light modulator device comprising at least one cell, said cell comprising at least cell having

- [[-]] two deformable dielectric layers which meet at an interface, at least one of said layers consisting of a viscoelastic relief forming gelmaterial,
- [[-]] a support electrode structure arranged on one side of the dielectric layers,
- [[-]] a signal electrode structure arranged on the other side of the dielectric layers and opposite to opposing the support electrode structure such that said layers are located between the support electrode structure and the signal electrode structure,
- [[-]] an enhancement electrode structure composed of one or more separate electrode zones arranged in the proximity of the signal electrode structure,
- [[-]] <u>a signal means supplier</u> for <u>applying a signal voltage electrically driving the support and signal electrode structures in order to generate an electric field between said <u>support and signal</u> electrode structures <u>to generate an electric field and passing at least partly through the two deformable dielectric layers in order to create <u>a surface reliefs relief</u> on the viscoelastic <del>gel</del> material layer, and</u></u>
- [[-]] an enhancement signal means supplier for applying an enhancement signal voltage between the enhancement electrode structure and the signal electrode structure for electrically driving the enhancement electrode structure in order to generate electric field enhancing the deformation of the viscoelastic gel-material layer,

and that within said cell—in order to electrically drive the enhancement electrode structure

wherein the signal electrode and the enhancement electrode structure are capable of storing

electrical charges, the enhancement signal means—supplier being are arranged in a temporally

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eontrolled manner to transfer electric eharges charge between the signal electrode structure and the enhancement electrode structure in a temporally controlled charge transfer process, and wherein the enhancement signal voltage is generated using substantially only the electrical charge transferred from the signal electrode structure to the enhancement electrode structure.

## 3. (Cancelled)

- 4. (Currently amended) The device according to the claim 2, wherein the enhancement signal means-supplier is are arranged in a temporally controlled manner to discharge at least part of the electric charge stored in the enhancement electrode structure back to the signal electrode structure and/or to the device ground in a temporally controlled manner.
- 5. (Currently amended) The device according to the claim 2, wherein the temporally controlled charge transfer process comprises a first temporal phase, where in which within a cell at least part of the electric charge stored in the signal electrode structure is arranged to be transferred to the enhancement electrode structure.
- 6. (Currently amended) The device according to the claim 5, wherein the temporally controlled charge transfer process <u>further</u> comprises a second temporal phase, <u>in which at least part of</u> where within a cell the electric charge stored in the signal electrode structure is arranged to be discharged without affecting the <u>electrical</u> charge stored in the enhancement electrode structure.
- 7. (Currently amended) The device according to the claim 56, wherein the temporally controlled charge transfer process further comprises a third temporal phase, in which at least part of where within a cell-the electric charge stored both in both the signal electrode structure and in the enhancement electrode structure is arranged to be discharged substantially simultaneously.

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8. (Currently amended) The device according to the claim 12, wherein within a cell-the enhancement electrode structure and the signal electrode structure are arranged substantially in a single common plane with respect to each other and facing the opposite the support electrode

- 9. (Currently amended) The device according to the claim 2, wherein within a cell-the enhancement electrode structure and the signal electrode structure are arranged in substantially different planes with respect to each other and with respect to the opposite support electrode structure.
- 10. (Currently amended) The device according to the claim 42, wherein multiple cells are arranged into a matrix to form an optical display device.
- 11. (New) A method for use in a light modulating device having at least one cell, comprising: transferring, in a first temporal phase, at least part of a electrical charge stored in a signal electrode structure of said cell to an enhancement electrode structure of said cell,

generating an enhancement signal voltage between the enhancement electrode structure and the signal electrode structure using substantially only the electrical charge transferred from the signal electrode structure to the enhancement electrode structure,

wherein the signal electrode structure being arranged opposing a support electrode structure of said cell such that two dielectric layers meeting at an interface, at least one of said layers having a viscoelastic relief forming material, are located between the support electrode structure and the signal electrode structure, and the enhancement electrode structure being arranged in the proximity of the signal electrode structure.

12. (New) The method of claim 11, further comprising:

structure.

discharging, in a second temporal phase, at least part of the electric charge stored in the signal electrode structure without affecting the electric charge stored in the enhancement electrode structure.

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#### 13. (New) The method of claim 12, further comprising:

discharging substantially simultaneously, in a third temporal phase, at least part of the electric charge stored in both the signal electrode structure and the enhancement electrode structure.

## 14. (New) A light modulating device having at least one cell, comprising:

means for transferring, in a first temporal phase, at least part of a electrical charge stored in a signal electrode structure of said cell to an enhancement electrode structure of said cell, and

means for generating an enhancement signal voltage between the enhancement electrode structure and the signal electrode structure using substantially only the electrical charge transferred from the signal electrode structure to the enhancement electrode structure,

wherein the signal electrode structure being arranged opposing a support electrode structure of said cell such that two dielectric layers meeting at an interface, at least one of said layers having a viscoelastic relief forming material, are located between the support electrode structure and the signal electrode structure, and the enhancement electrode structure being arranged in the proximity of the signal electrode structure,

#### 15. (New) The light modulating device of claim 14, further comprising:

means for discharging, in a second temporal phase, at least part of the electric charge stored in the signal electrode structure without affecting the electric charge stored in the enhancement electrode structure.

# 16. (New) The light modulating device of claim 15, further comprising:

means for discharging substantially simultaneously, in a third temporal phase, at least part of the electric charge stored in both the signal electrode structure and the enhancement electrode structure.